

REPORT ON THE TSHOWIN RIVER SHOWINGS
CLAY GROUP OF MINERAL CLAIMS
ALBERNI MINING DIVISION
GOLD RIVER, B. C.

49°47' NORTH LATITUDE
126°35' WEST LONGITUDE
MAP SHEET 92E/10E

for

Centurian Exploration Inc.,
157 Alexander Street,
Vancouver, B. C.,
V6A 1B8.

N. L. Tribe, P. Eng.
Kelowna, B.C.

January 5, 1981.

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REPORT ON THE TSOWWIN RIVER SHOWINGS
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INTRODUCTION

The purpose of this report is to assess the mineral potential of the Clay Group of Mineral Claims and to recommend an effective exploration program to develop that mineral potential.

LOCATION AND ACCESS

The Clay Group of Mineral Claims is composed of 2 mineral claim units of 25 hectares each. These claims are located on the Tsoowin River near the logging town of Tahsis on the west coast of Vancouver Island. The property is reached by road on the Island Highway to Campbell River, thence on the Gold River road (Highway 19) to Gold River; thence north from Gold River on the Head Bay Forest road past the Head Bay logging camp, thence approximately 4 km towards Tahsis, turning left onto the Stoltze Road towards the B.C. Forest Product Tsoowin River camp. The claim posts are located a few meters south and east of the main bridge on the Tsoowin River, approximately 8 km back from the Tsoowin River logging camp on Tahsis Inlet. Good access is available onto the property by newly constructed logging roads which pass through the claims.

The climate is West Coast Marine with abundant rainfall year round and mild winters with heavy snowfalls lasting a short time. The vegetation on the claim group is typical of West Coast Marine Forest with huge cedars, firs, balsam, spruce, etc. Undergrowth is often thick and access on the ground is often hampered by downed timber. Ground vegetation consists of Devils Club, Scrub Alder, Salal, blueberries, raspberries, etc. Most of the forest on the claim group has been logged off within the last 2 or 3 years making access about the claims relatively easy.

HISTORY

The showings were first staked in 1939 as the Vivian Claims and are described by J. W. Hoadely, 1950, G.S.C. Report "The Vivian mining claims are situated at the confluence at the north and south forks of the Tsoowin River about 6 miles by trail from Sandspit on Tahsis Inlet. They were staked in 1939, when a little exploration work was done, and were abandoned in 1940.

The deposit consists of one 2 - 4 inch vein of quartz and calcite occupying a fissure in altered volcanic rock where it is exposed on the rocky sides and bottom of the south fork of the Tsoowin River, 200 yards upstream from its confluence with the north fork, it strikes $N40^{\circ}W$ and dips $80^{\circ} NE$. On the south side of the stream an inclined shaft was sunk on the vein but was filled with water at the time of the examination. No sulphides were visible in any of the exposed vein matter, but a sample from the north bank assayed 2 oz. of gold a ton. A sample of similar material from the vein at the entrance of the incline shaft contained only a trace of gold. The extension of the vein to the northwest has been prospected for 175 feet by open cuts at intervals of about 25 feet, but no vein matter could be seen as the pits are filled with dirt and forest debris. 200 feet northwest of the south fork a 50-foot adit has been driven into the hill following the vein, which is exposed at a few places in the back of the drift. At the face, it consists of 8 - 12 inches of calcite and

quartz containing no visible sulphides. It strikes N60°W and dips 70° NE. 8 inches northeast of the vein a parallel band of fault gouge 2 - 3 inches wide contains a little quartz and calcite. Channel samples of the vein and gouge were assayed but yielded only a trace of gold."

The Clay Group of Mineral Claims were located on the old adits by Angus MacGillivray on May 20, 1980. Mr. MacGillivray reports channel sampling the back of the adit across a 5-foot width. Assays presented show .27 oz. of gold, .31 oz. of silver, .05% copper.

GEOLOGY

The showings on the Clay Group of Mineral Claims are located near the contact between the two major rock types in the area. The lowermost is the Quatsino Formation of crystal limestone. The Quatsino Formation is Upper Triassic in age and is a massive clean, white, crystalline limestone. The Quatsino Formation is overlain by the Bonanza Group and it is represented by a black, hard, fine grained, andesite lava in which the showings are located. The major structures in the area are faults striking to the northwest, averaging about N40°W. The faults and vein systems of the showings strike approximately N46°W and are composed of quartz and carbonate vein material emplaced along a shear zone.

RESULTS

The property was examined on September 18, 1980 and the outcrops in the vicinity of the old workings were mapped and sampled. A number of other veins accessible from the new logging roads were also sampled. The results of this sampling was not particularly exciting except for the one assay which returned over 2 oz. from vein material collected from a dump next to the caved adit referred to in the G.S.C. report. The remainder of the samples showed only traces of gold and were not particularly interesting. This 2 oz. assay together with a similar 2 oz. assay collected by Hoadley of the G.S.C. would indicate that some good grade material might be available along this shear zone.

CONCLUSIONS

It can safely be concluded that throughout most of the length of this vein system ore grade material is not available. However, there appears some likelihood that small high grade pockets do occur on this vein system.

RECOMMENDATIONS

It is, therefore, recommended that a program be undertaken to test this vein system in several places along its strike length in hopes of discovering one or more pockets of higher grade material. This can best be done with several short backhoe trenches and, if results warrant, several short diamond drill holes from surface.

COST ESTIMATES

Phase I

Backhoe trenching	\$ 1,200.
20 hours at \$60./hour	
Geologist	
4 days at \$500./day - field	2,000.
2 days at \$500./day - reporting	1,000.
Assays	
20 assays at \$15. each	300.
Transportation - vehicle	500.
Accomodation, meals	250.
	<hr/>
Sub Total	\$ 5,250.
Miscellaneous - contingencies	1,050.
at 20%	
	<hr/>
Total Phase I:	<u>\$ 6,300.</u>

Phase II

Diamond drilling	\$ 18,000.
300 feet at \$60./foot	
Geologist	
15 days at \$500./day - field	7,500.
5 days at \$500./day - reporting	2,500.
Assays	500.
20 assays at \$25. each	
Transportation - vehicle	1,000.

Accomodation and meals	\$ 900.
\$60./day	_____
Sub Total	\$ 30,400.
Miscellaneous - contingencies	6,080.
at 20%	_____
Total Phase II:	\$ 36,480.
TOTAL PHASE I AND II:	\$ 42,780.
	=====

Respectfully submitted,

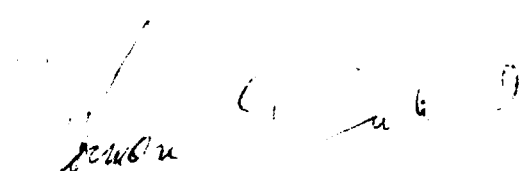
Norman L. Tribe
Norman L. Tribe, P. Eng.

CERTIFICATE

I, NORMAN LLOYD TRIBE, of the City of Kelowna, Province of British Columbia, hereby certify as follows:

1. I am a consulting Geologist with an office at 2611 Springfield Road, Kelowna, B. C., V1X 1B9.
2. I am a registered Professional Engineer of the Province of British Columbia.
3. I graduated with a degree of Bachelor of Applied Science from the University of British Columbia in 1964.
4. I have practiced my profession for sixteen years.
5. I have no direct, indirect or contingent interest in the claims under option to, or the shares of Centurian Exploration Inc., nor do I intend to have any interest.
6. This report dated January 5, 1981 is based on information gathered and work done during a one-day visit to the property on September 18, 1980.

DATED at Kelowna, Province of British Columbia this fifth day of January, 1981.


Norman Lloyd Tribe, P. Eng.,
Consulting Geologist.

APPENDIX I

ASSAY CERTIFICATES

To:

Mr. R.H. Lonsdale

1015 - 837 W. Hastings St.

Vancouver, B.C.

V6C 1C4



can test ltd.

1650 PANDORA STREET, VANCOUVER, B.C. V5L 1L6

2241 Tel: 254-7278

Telex 04-54210

Certificate of Assay

File No. 5850D

Date May 29, 1980

Attention:

We hereby Certify that the following are the results of assays made by us upon submitted ORE samples.

Sample Identification	GOLD	SILVER	COPPER					
	Ounces Per Ton	Ounces Per Ton	Percent Cu	Percent	Percent	Percent	Percent	Percent
TSOWWIN RIVER	0.27	0.31	0.05					
<i>SAMPLE OF Veins AT the Inclined Adit over 5' by A. MacCallister</i>								

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Note: Pulps retained three months.

CAN TEST LTD.

Rejects retained two weeks.

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General Testing Laboratories

A Division of SGS Supervision Services Inc.

1001 EAST PENDER ST., VANCOUVER, B.C., CANADA, V6A 1W2
PHONE (604) 254-1647 TELEX 04-507514 CABLE SUPERVISE



TO:
N. TRIBE ASSOCIATES LTD.
2611 Spring Field Road
Kelowna, B.C.

CERTIFICATE OF ASSAY

No.: 8009-1959 DATE: Oct. 1/80

We hereby certify that the following are the results of assays on: Ore

MARKED	GOLD	SILVER	XXX	XXX	XXX	XXX	X XX	XXX
	oz/st	oz/st						
T.S.- 1	0.002	0.13						
2	0.002	0.08						
3	0.002	0.02						
4	0.002	0.04						
5	0.016	0.02						
6	0.054	0.39						
7	0.002	trace						
8	2.186	6.16						
9	0.012	0.04						
10	0.002	0.09						
11	0.008	trace						

NOTE: REJECTS RETAINED ONE MONTH PULPS RETAINED THREE MONTHS ON REQUEST PULPS AND REJECTS WILL BE STORE FOR A MAXIMUM OF ONE YEAR.

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L. Wong

PROVINCIAL ASSAYER

Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers

MEMBER: American Society For Testing Materials • The American Oil Chemists Society • Canadian Testing Association
REFEREE AND/OR OFFICIAL CHEMISTS FOR: National Institute of Oilseed Products • The American Oil Chemists Society
OFFICIAL WEIGHMASTERS FOR: Vancouver Board Of Trade